

CASH CROPS AND FRUITS

COSTS AND RETURNS

from

FARM COST ACCOUNTS

42 FARMS - 1965

C. D. Kearn and Darwin P. Snyder

Department of Agricultural Economics
Cornell University Agricultural Experiment Station
New York State College of Agriculture
A Contract College of the State University
Cornell University, Ithaca, New York

REPORTS
from
FARM COST ACCOUNTS
42 Farms, 1965

Overhead Costs	A.E. Res. 210
Field Crop Costs and Returns	A.E. Res. 211
Cash Crops and Fruit Costs and Returns	A.E. Res. 212
Livestock Costs and Returns	A.E. Res. 213

CASH CROPS AND FRUITS, A.E. Res. 212

- Contents -

	Page
Introduction	1
Summary of cost account enterprises	4
Rates of return compared with other years	5
Apples	6
Sour cherries	8
Sweet cherries	10
Peaches	12
Grapes	14
Pears	16
Prunes	16
Potatoes	18
Peas for processing	18
Snap beans for processing	19

INTRODUCTION

For the Cost Account year 1965 there were 42 New York State farmers who completed detailed records on their businesses in cooperation with the Department of Agricultural Economics, Cornell University. The farms are located in most of the farming areas of the state. They are generally well-run, full-time, commercial farm businesses. They are representative of the "better" farmers of New York.

This report presents the results for individual enterprises and the averages of the costs and returns for all farms. It thus shows not only the averages of costs and returns but also indications of the variations and reasons for them. The factors for individual enterprises are arranged according to size of enterprise. The averages of the costs are not averages of average costs but are weighted by the size of enterprise.

The project was under the supervision of C. D. Kearl. The field work on these accounts was done by Darwin Snyder and C. D. Kearl. The closing of the books and the preparation of this report on results of the operation of the farms was done by the Cost Account staff consisting of Marjorie Evans, Oneta Shipe, Edith Slights, Edna Wheeler, Helen Kruth, Abbie Leonard, Mildred Kubota and Margaret Auble.

ECONOMIC CONDITIONS

New York farm prices and prices paid by farmers for articles they buy, as indicated by U.S. indexes, were fairly stable during 1965 but were both about two percent above the 1964 level. The index of the former was 99 and the latter 110 on a 1957-59 bases. This indicates that, if farmers were to have a level of net income in 1965 that was comparable with that of the base period, they had to adjust their business operations to offset the adverse cost-price relationship.

In the early months of 1966 farm prices advanced rapidly. Prices of articles farmers buy advanced too, but at a slower rate. This would indicate that 1966 might well be a favorable year for farmers.

Hourly wages of workers in manufacturing industries continued to climb at a rate of about three percent per year. This, of course, is in contrast to the situation for farmers' net incomes and points up the pressures that farmers have been under as they have struggled to maintain a relative standard of living.

Economic Indexes (1957-59 = 100)

Year	New York farm prices	United States	
		Prices of articles farmers buy	Hourly earnings in manufacturing industries
1958	101	100	100
1959	100	102	104
1960	98	103	107
1961	95	104	110
1962	95	106	113
1963	95	106	115
1964	97	107	118
1965	99	110	121
Jan.	101	108	120
Feb.	101	109	120
March	98	109	120
April	100	109	120
May	99	110	121
June	98	110	121
July	95	110	121
Aug.	95	110	121
Sept.	96	110	122
Oct.	100	110	122
Nov.	100	110	122
Dec.	101	111	123
1966			
Jan.	103	112	123
Feb.	108	112	123
March	108	113	124
April	110	114	124

WEATHER CONDITIONS AT EIGHT NEW YORK STATIONS, 1965*

Station	Length growing season** days	May 1 - Sept. 30		Annual total precipitation inches
		Average temperature	Precipitation	
		degrees	inches	
Aurora	155	64.2	8.9	22.5
Batavia	152	64.5	11.6	29.4
Brockport	106	64.2	9.5	25.6
Canton	115	61.6	12.7	28.6
Fredonia	151	65.2	14.1	38.3
Norwich	87	61.0	15.9	34.5
Poughkeepsie	163	69.5	14.0	32.0
Salem	90	64.5	14.9	31.8

*Weather Bureau, U.S. Department of Commerce, Annual Summary, 1965

**Number of days between last and first frost

Generally, the growing season in New York State was shorter than usual. However, in the central plains region it approached normal. After three dry years some areas still had dry weather. This was particularly true during May, June and July and seriously affected the yields of crops planted in the spring and dependent on good moisture during the spring months. In the latter part of the summer the rains came and helped but, although they replaced lost ground water, they were too late to enable farmers to get good crop yields. Overall, the precipitation was below normal but was considerably better than in 1964. The temperature during the growing season was below normal which probably made the dry weather more bearable and enabled the crops to use more effectively what water there was.

YIELDS FOR CROPS AND LIVESTOCK

Item	Unit	New York State*			Cost Account 1965
		1936-40	1946-55	1965	
Hay	tons	1.3	1.7	1.7	2.1
Corn silage	tons	9	10	12	12
Corn grain	bu.	34	44	57	45
Wheat	bu.	24	31	36	45
Oats	bu.	30	38	47	60
Cows	lbs.	5,628	6,588	9,300	13,008
Hens	eggs	154	188	218	208

*AMS Reports and unpublished tabulations

For some New York farmers this was the fourth dry year in a row and generally, across the state, crop yields were only fair. However, the moisture conditions as noted above were "spotty" and some farmers had good crops. The spring planted crops suffered in many cases while the winter crops such as wheat were not seriously affected by the lack of rainfall.

SUMMARY, 1965
Crop Enterprises

Crop	Number of accounts	Average acres per enter- prise	Average yield per acre	Hours of labor per acre	Return per hour of labor	Return per dollar of cost	Profit per acre	Profit on enter- prise
<u>Fruit:</u>								
Apples	15	67.0	429 bu.	105	\$2.26	\$1.11	\$ 48	\$3,230
Sweet cherries	6	10.4	4,274 lbs.	136	2.47	1.36	127	1,320
Sour cherries	8	30.3	8,057 lbs.	147	1.68	1.05	20	616
Peaches	5	14.8	93 bu.	123	1.05	0.85	-70	-1,029
Grapes	5	25.9	3.9 tons	126	2.16	1.08	36	928
<u>Grain:</u>								
Wheat	15	78.0	45 bu.	4	5.89	1.24	16	1,280
Corn for grain	8	110.9	45 bu.	5	-3.79	0.66	-30	-3,328
Oats	6	29.4	60 bu.	5	-1.67	0.79	-16	-462
Rye	5	9.8	39 bu.	7	1.61	0.99	-1	-6
<u>Hay and Silage:</u>								
Hay	24	94.1	2.1 tons	5	2.78	1.08	5	436
Hay crop silage	8	44.7	5.8 tons	5	4.31	1.16	13	565
Corn silage	27	76.3	12 tons	7	1.31	0.97	-3	-264

Livestock Enterprises

Enterprise	Number of accounts	Average number of head per farm	Production per head	Hours of labor per head	Return per hour of labor	Return per dollar of cost	Profit on enter- prise
Dairy cows	25	84	13,088 lbs.	63	\$1.85	\$1.01	\$ 316
Hens	5	15,453	208 eggs	0.4	2.56	1.04	3,808

SUMMARY, 1965

	Return per hour of labor					Return per dollar of cost			
	1949 to 1953	1962	1963	1964	1965	1962	1963	1964	1965
Farm enterprise	\$	\$	\$	\$	\$	\$	\$	\$	\$
<u>Livestock:</u>									
Dairy cows	1.41	1.45	1.68	1.60	1.85	0.97	1.00	0.99	1.01
Hens	1.38	1.89	2.44	0.71	2.56	1.03	1.06	0.92	1.04
Raising chicks	0.83	14.09	3.44	5.00	--	1.35	1.06	1.11	--
<u>Fruit:</u>									
Apples	2.01	2.55	2.72	2.33	2.26	1.23	1.27	1.15	1.11
Sweet cherries	--	--	3.26	2.16	2.47	--	1.85	1.31	1.36
Sour cherries	--	1.22	2.37	1.16	1.68	0.96	1.48	0.90	1.05
Peaches	1.11	1.08	1.22	1.24	1.05	0.84	0.86	0.91	0.85
Grapes	--	--	3.70	2.14	2.16	--	1.65	1.21	1.08
<u>Grain:</u>									
Corn	2.25	1.87	1.39	1.47	-3.79	1.00	0.95	0.96	0.66
Oats	0.37	0.38	-0.38	-0.82	-1.67	0.88	0.83	0.79	0.79
Wheat	3.47	5.89	4.39	4.51	5.89	1.36	1.23	1.21	1.24
Rye	--	--	--	4.79	1.61	--	--	1.25	0.99
<u>Hay and Silage:</u>									
All hay	1.37	2.40	3.56	3.18	2.78	1.06	1.19	1.13	1.08
Hay crop silage	--	--	--	1.00	4.31	--	--	0.93	1.16
Corn silage	--	0.76	1.79	1.44	1.31	0.33	1.01	0.97	0.97

Factors from 15 APPLE Accounts, 1965*
(Arranged by acres of apples)

Farm number	Orchard bearing age acres	Yield packable fruit per acre bu.	Labor to grow an acre hours	Cost to grow an acre \$	Net to grower Cost per bu. \$	Returns per bu. \$	Return per hour of labor \$	Return per dollar of cost \$	Profit on enter- prise \$
170	244.6	488	27	224	0.92	1.06	2.49	1.11	16,853
315	156.2	608	55	265	0.75	1.09	3.58	1.42	32,383
376	131.0	430	38	182	0.81	0.91	2.04	1.12	5,710
376	111.4	303	36	229	1.22	0.98	0.87	0.80	-8,172
426	67.0	482	37	182	0.73	0.69	1.26	0.95	-1,446
425	52.7	479	37	281	0.93	0.96	2.11	1.03	678
200	50.8	399	18	116	0.67	1.21	3.91	1.70	10,995
401	50.0	125	18	121	1.80	0.96	0.36	0.70	-5,212
383	47.5	355	16	167	1.00	0.98	2.36	0.99	-312
448	37.0	259	13	142	0.84	0.89	1.65	1.06	471
430	18.8	268	29	175	1.05	0.97	1.44	0.93	-418
391	17.2	397	54	259	1.52	1.46	2.06	0.96	-400
403	10.4	171	23	195	4.11	2.20	0.10	0.56	-3,399
376	6.4	205	8	121	0.94	1.16	3.27	1.24	292
376	4.2	350	25	137	0.83	1.12	2.62	1.35	422

Averages for 1965, by thirds according to acres of apples, weighted by farms:

High	142.0	462	39	216	0.89	0.95	2.05	1.08	9,066
Medium	47.6	323	20	165	1.05	1.00	2.08	1.10	1,324
Low	11.4	278	28	177	1.69	1.38	1.90	1.01	-701

Annual averages, all farms, weighted by acres of apples:

1965	67.0	429	34	208	0.90	1.01	2.26	1.11	3,230
1964	65.1	380	29	183	0.84	1.01	2.33	1.15	4,220
1963	57.7	401	36	194	0.82	1.12	2.72	1.27	6,913
1962	64.3	426	27	172	0.73	0.95	2.55	1.23	5,962
1961	60.9	457	38	200	0.76	0.85	1.95	1.09	2,380

*15 accounts on 12 farms

APPLES, 1965
1,005 acres on 12 farms

Average per acre:	Dollars
Growing:	
Orchard overhead.....	23.71
299 pounds of fertilizer at \$71.97 per ton.....	10.76
Spray and dust materials.....	53.90
33.5 hours of labor at \$1.89 per hour.....	63.25
8.8 hours of tractor work at \$1.25 per hour.....	11.01
Other equipment (including auto and truck).....	26.33
Interest.....	5.48
All other.....	13.21
Total growing.....	207.65
Harvesting:	
67.9 hours of labor.....	119.37
4.5 hours of tractor work.....	6.36
Auto and truck.....	13.75
Other equipment.....	9.26
All other.....	5.01
Total harvesting.....	153.75
Storing and selling:	
Packages, commissions, storage, etc.	68.01
Labor.....	6.23
Equipment (including auto and truck).....	4.05
Buildings.....	1.83
All other.....	16.31
Total storing and selling.....	96.43
Total cost per acre.....	457.83
Returns:	
429 bushels of packable fruit.....	503.70
Ciders and drops.....	2.32
Total return per acre.....	506.02
Net gain per acre.....	48.19
Cost to grow a bushel.....	0.48
Cost to harvest a bushel.....	0.36
Cost to store and sell a bushel.....	0.23
Total cost per bushel.....	1.07
Net cost per bushel*.....	0.90
Total return per bushel.....	1.18
Net return per bushel*.....	1.01
Gain per bushel.....	0.11
Labor return per acre.....	237.04
Return per hour of labor.....	2.26
Return per dollar of cost.....	1.11

*Minus packages, commissions, hired packing, storage and cartage

Factors from 8 SOUR CHERRY Accounts, 1965*
(Arranged by acres of cherries)

Farm number	Orchard bearing age	Yield per acre	Labor	Cost	Net to grower		Return	Return	Profit
			to grow an acre	to grow an acre	Cost per lb.	Returns per lb.	per hour of labor	per dollar of cost	on enter- prise
	acres	pounds	hours	\$	¢	¢	\$	\$	\$
425	85.3	9,823	21	146	4.4	5.2	1.91	1.17	6,470
170	46.7	7,666	14	118	4.9	5.4	1.81	1.09	1,624
376	41.0	7,836	17	116	4.7	5.0	1.83	1.07	991
315	29.7	8,805	6	81	4.2	4.2	1.54	1.01	75
376	16.1	5,662	63	169	7.3	5.0	0.94	0.68	-2,128
383	13.4	2,017	9	97	11.7	5.1	-0.02	0.43	-1,797
448	5.5	7,452	4	83	3.5	4.4	1.89	1.25	364
376	4.6	3,125	13	105	8.6	4.0	0.10	0.46	-667

Annual averages, all farms, weighted by acres of cherries:

1965	30.3	8,057	19	124	4.8	5.1	1.68	1.05	616
1964	26.7	8,516	16	125	4.9	4.4	1.16	0.90	-1,120
1963	25.0	5,521	18	122	6.6	9.8	2.37	1.48	4,393
1962	32.5	7,199	14	120	5.0	4.8	1.22	0.96	-489
1961	28.8	9,564	19	143	5.0	6.4	2.10	1.28	3,861

*8 accounts on 6 farms

SOUR CHERRIES, 1965
240 acres on 6 farms*

Average per acre:	Dollars
Growing:	
Orchard overhead.....	29.13
187 pounds of fertilizer at \$72.94 per ton.....	6.82
Spray and dust materials.....	14.19
18.7 hours of labor at \$1.99 per hour.....	37.21
5.8 hours of tractor work at \$1.33 per hour.....	7.72
Other equipment (including auto and truck).....	16.03
Interest.....	2.69
All other.....	10.42
Total growing.....	124.21
Harvesting:	
128 hours of labor.....	189.33
Auto, truck and tractor.....	17.65
Other equipment.....	39.56
All other.....	7.63
Total harvesting.....	254.17
Storing and selling.....	9.31
Total cost per acre.....	387.69
Returns:	
8,057 pounds of cherries.....	408.04
Net gain per acre.....	20.35
	Cents
Cost per pound to grow.....	1.5
Cost per pound to harvest.....	3.2
Cost per pound to store and sell.....	0.1
Net cost per pound.....	4.8
Net return per pound.....	5.1
Gain per pound.....	0.3
	Dollars
Labor return per acre.....	246.89
Return per hour of labor.....	1.68
Return per dollar of cost.....	1.05
*8 accounts on 6 farms	

Factors from 6 SWEET CHERRY Accounts, 1965
(Arranged by acres of cherries)

Farm number	Orchard bearing age	Yield per acre	Labor	Cost	Net to grower		Return	Return	Profit
			to grow an acre	to grow an acre	Cost per lb.	Returns per lb.	per hour of labor	per dollar of cost	on enter- prise
	acres	pounds	hours	\$	¢	¢	\$	\$	\$
170	26.4	4,982	12	123	7.5	11.3	2.72	1.49	5,033
315	24.1	4,207	16	112	7.3	10.7	2.53	1.47	3,467
383	6.3	1,118	*	66	9.7	10.5	3.33	1.08	55
376	2.8	2,410	34	232	20.9	15.6	0.72	0.75	-355
403	2.0	7,300	26	250	11.4	9.5	1.63	0.83	-277
425	1.0	6,280	9	200	9.4	9.3	1.45	1.00	-2

Annual averages, all farms, weighted by acres of cherries:

1965	10.4	4,274	14	123	8.0	11.0	2.47	1.36	1,320
1964	10.2	9,579	15	126	5.9	7.8	2.16	1.31	1,814
1963	7.4	5,421	9	113	7.4	13.8	3.26	1.85	2,565
1962	-----Not averaged-----								
1961	-----Not averaged-----								

*Less than one hour

SWEET CHERRIES, 1965
63 acres on 6 farms

Average per acre:	Dollars
Growing:	
Orchard overhead.....	27.35
220 pounds of fertilizer at \$77.82 per ton.....	8.56
Spray and dust materials.....	12.68
13.7 hours of labor at \$2.03 per hour.....	27.81
4.4 hours of tractor work at \$1.28 per hour.....	5.61
Other equipment (including auto and truck).....	22.33
Interest.....	2.59
All other.....	16.39
Total growing.....	123.32
Harvesting:	
121 hours of labor.....	179.41
Auto, truck and tractor.....	11.87
Other equipment.....	11.02
All other.....	11.60
Total harvesting.....	213.90
Storing and selling.....	14.31
Total cost per acre.....	351.53
Returns:	
4,274 pounds of cherries.....	478.06
Net gain per acre.....	126.53
	Cents
Cost per pound to grow.....	2.9
Cost per pound to harvest.....	5.0
Cost per pound to store and sell.....	0.3
Total cost per pound.....	8.2
Net cost per pound.....	8.0
Total return per pound.....	11.2
Net return per pound.....	11.0
Gain per pound.....	3.0
	Dollars
Labor return per acre.....	335.67
Return per hour of labor.....	2.47
Return per dollar of cost.....	1.36

Factors from 5 PEACH Accounts, 1965
(Arranged by acres of peaches)

Farm number	Orchard bearing age acres	Yield packable fruit per acre bu.	Labor to grow an acre hours	Cost to grow an acre \$	Net to grower		Return per hour of labor \$	Return per dollar of cost \$	Profit on enter- prise \$
					Cost per bu. \$	Returns per bu. \$			
440	30.0	72	69	400	8.99	6.21	0.47	0.72	-6,033
170	24.2	147	20	186	2.17	2.67	3.05	1.22	1,789
376	10.1	29	45	192	9.23	4.94	0.01	0.54	-1,266
200	5.0	51	9	74	3.24	2.94	1.20	0.92	-76
448	4.5	128	22	139	3.02	3.79	2.52	1.25	440

Annual averages, all farms, weighted by acres of peaches:

1965	14.8	93	43	264	4.75	4.00	1.05	0.85	-1,029
1964	12.0	95	47	218	3.84	3.44	1.24	0.91	-453
1963	11.6	102	44	200	3.39	2.86	1.22	0.86	-626
1962	12.9	77	45	207	4.27	3.52	1.08	0.84	-748
1961	9.4	98	37	160	2.85	2.19	1.01	0.78	-606

PEACHES, 1965
74 acres on 5 farms

Average per acre:	Dollars
Growing:	
Orchard overhead.....	76.64
239 pounds of fertilizer at \$77.82 per ton.....	9.30
Spray and dust materials.....	37.21
42.7 hours of labor at \$1.61 per hour.....	68.59
11.1 hours of tractor work at \$1.39 per hour.....	15.45
Other equipment (including auto and truck).....	30.66
Interest.....	5.53
All other.....	20.31
Total growing.....	263.69
Harvesting:	
61.3 hours of labor.....	100.27
Auto, truck and tractor.....	8.37
Other equipment.....	6.52
All other.....	12.21
Total harvesting.....	127.37
Storing and selling:	
Packages.....	30.84
Labor.....	29.92
Advertising.....	6.96
All other.....	13.59
Total storing and selling.....	81.31
Total cost per acre.....	472.37
Returns:	
93 bushels of peaches.....	402.64
Net loss per acre.....	69.73
Cost to grow a bushel.....	2.84
Cost to harvest a bushel.....	1.37
Cost to store and sell a bushel.....	0.87
Total cost per bushel.....	5.08
Net cost per bushel.....	4.75
Total return per bushel.....	4.33
Net return per bushel.....	4.00
Loss per bushel.....	0.75
Labor return per acre.....	129.05
Return per hour of labor.....	1.05
Return per dollar of cost.....	0.85

Factors from 5 GRAPE Accounts, 1965
(Arranged by acres of grapes)

Farm number	Vineyard. acres	Yield per acre tons	Labor Cost		Net to grower		Return per hour of labor	Return per dollar of cost	Profit on enter- prise
			to grow an acre hours	to grow an acre \$	Cost per ton \$	Returns per ton \$			
403	67.0	3.2	69	305	136.86	162.23	2.89	1.19	5,491
384	39.4	5.2	72	259	87.35	92.06	1.68	1.05	968
383	8.4	3.4	33	199	130.07	103.72	1.76	0.82	-759
376	7.7	3.3	100	280	121.44	82.75	0.79	0.69	-971
401	6.8	3.4	82	267	100.95	97.17	1.82	0.96	-87

Annual averages, all farms, weighted by acres of grapes:

1965	25.9	3.9	70	281	113.66	122.97	2.16	1.08	928
1964	21.2	3.9	73	252	99.19	119.98	2.14	1.21	1,716
1963	19.6	4.8	64	243	78.79	130.43	3.70	1.65	4,902
1962	-----Not averaged-----								
1961	-----Not averaged-----								

GRAPES, 1965
129 acres on 5 farms

Average per acre:	Dollars
Growing:	
Vineyard overhead.....	58.29
309 pounds of fertilizer at \$67.18 per ton.....	10.38
Spray and dust materials.....	15.47
70.4 hours of labor at \$1.86 per hour.....	131.02
10.9 hours of tractor work at \$1.13 per hour.....	12.37
Other equipment (including auto and truck).....	22.25
Interest.....	7.02
All other.....	23.70
Total growing.....	280.50
Harvesting:	
55.6 hours of labor.....	105.30
Auto, truck and tractor.....	23.34
Other equipment.....	8.08
All other.....	18.61
Total harvesting.....	155.33
Storing and selling.....	8.15
Total cost per acre.....	443.98
Returns:	
3.9 tons of grapes.....	479.88
Net gain per acre.....	35.90
Cost to grow a ton.....	72.74
Cost to harvest a ton.....	40.28
Cost to store and sell a ton.....	2.11
Total cost per ton.....	115.13
Net cost per ton*.....	113.66
Total returns per ton.....	124.44
Net returns per ton*.....	122.97
Gain per ton.....	9.31
Labor return per acre.....	272.22
Return per hour of labor.....	2.16
Return per dollar of cost.....	1.08

*Net cost is the total cost per ton minus the cost of packages, commissions, hired packing, storage, and transportation; net returns are the total returns minus these same items.

Factors from 4 PEAR Accounts, 1965
(Arranged by acres of pears)

Farm number	Orchard bearing age	Yield packable fruit per acre	Labor Cost		Net to grower		Return per hour of labor	Return per dollar of cost	Profit on enter- prise
			to grow an acre	to grow an acre	Cost per bu.	Returns per bu.			
	acres	bu.	hours	\$	\$	\$	\$	\$	\$
170	47.9	262	9	122	0.90	2.74	9.93	3.00	23,118
383	5.5	168	3	86	2.09	3.16	4.34	1.48	993
430	3.9	40	4	122	4.28	3.00	-0.95	0.71	-201
448	2.5	216	36	196	1.27	2.96	5.79	2.34	913

Factors from 5 PRUNE Accounts, 1965*
(Arranged by acres of prunes)

Farm number	Orchard bearing age	Yield per acre	Labor Cost		Net to grower		Return per hour of labor	Return per dollar of cost	Profit on enter- prise
			to grow an acre	to grow an acre	Cost per bu.	Returns per bu.			
	acres	bu.	hours	\$	\$	\$	\$	\$	\$
376	14.4	162	8	157	1.99	2.96	3.55	1.48	2,253
170	3.0	314	8	139	2.14	3.36	3.15	1.57	1,147
376	2.9	176	9	144	1.95	2.22	2.16	1.14	140
383	2.9	188	1	75	0.75	2.00	12.77	2.66	680
200	2.2	**	2	41	**	**	-16.60	**	-90

Annual averages, all farms, weighted by acres of prunes:

1965	5.1	170	7	134	1.88	2.84	3.47	1.50	826
1964	-----Not averaged-----								
1963	-----Not averaged-----								
1962	-----Not averaged-----								
1961	-----Not averaged-----								

*5 Accounts on 4 farms

**Crop failure

PRUNES, 1965
25 acres on 5 farms

Average per acre:	Dollars
Growing:	
Orchard overhead.....	33.82
263 pounds of fertilizer at \$77.26 per ton.....	10.16
Spray and dust materials.....	41.38
7.0 hours of labor at \$1.71 per hour.....	11.97
5.7 hours of tractor work at \$0.89 per hour.....	5.08
Other equipment (including auto and truck).....	17.01
Interest.....	2.91
All other.....	11.49
Total growing.....	133.82
Harvesting:	
83.9 hours of labor.....	140.55
Auto, truck and tractor.....	20.43
Other equipment.....	14.14
All other.....	9.37
Total harvesting.....	184.49
Storing and selling:	
Packages.....	3.43
All other.....	2.12
Total storing and selling.....	5.55
Total cost per acre.....	323.86
Returns:	
170 bushels of peaches.....	486.46
Net gain per acre.....	162.60
Cost to grow a bushel.....	0.79
Cost to harvest a bushel.....	1.08
Cost to store and sell a bushel.....	0.03
Total cost per bushel.....	1.90
Net cost per bushel.....	1.88
Total return per bushel.....	2.86
Net return per bushel.....	2.84
Gain per bushel.....	0.96
Labor return per acre.....	315.12
Return per hour of labor.....	3.47
Return per dollar of cost.....	1.50

Factors from 4 POTATO Accounts, 1965
(Arranged by acres of potatoes)

Farm number	Potatoes grown acres	Yield per acre bu.	Labor per acre hours	Average		Cost per bushel \$	Return per hour of labor \$	Return per dollar of cost \$	Profit on enter- prise \$
				per acre					
				Cost	Returns				
417	94.7*	265	58	388	421	1.47	1.86	1.08	3,095
440	52.0	424	65	555	597	1.31	2.21	1.08	2,201
316	50.8	393	70	590	724	1.50	3.63	1.23	6,827
267	41.1	362	63	542	468	1.49	2.74	0.86	-3,045

*Muckland

Factors from 3 PEAS FOR PROCESSING Accounts, 1965
(Arranged by acres of peas)

Farm number	Peas grown acres	Yield per acre pounds	Labor per acre hours	Average		Net cost per ton \$	Labor return		Return per dollar of cost \$	Profit on enter- prise \$
				Cost	Returns		Per acre \$	Per hour \$		
221	254.0	3,648	15	199	241	108.94	77	5.16	1.21	10,641
267	40.0	5,670	7	147	284	51.67	165	23.42	1.94	5,483
424	14.3	4,064	5	146	153	67.70	15	3.10	1.05	106

Annual averages, all farms, weighted by acres of peas:

1965	-----Not averaged-----									
1964	-----Not averaged-----									
1963	66.8	2,663	13	161	159	120.57	28	2.19	0.99	-106
1962	40.2	3,668	16	155	240	80.50	116	7.29	1.55	3,407
1961	-----Not averaged-----									

Factors from 4 SNAP BEANS FOR PROCESSING Accounts, 1965
(Arranged by acres of snap beans)

Farm number	Snap beans grown acres	Yield per acre pounds	Labor per acre to grow hours	Average		Net cost per ton \$	Labor		Return per dollar of cost \$	Profit on enter- prise \$
				per acre			returns			
				Cost	Returns		Per acre	Per hour		
				\$	\$	\$	\$	\$	\$	\$
221	1,338.0	3,735	3	110	151	59.18	59	7.56	1.37	54,536
170	141.9	5,276	9	173	246	65.51	108	6.15	1.42	10,411
315	112.8	2,657	6	129	111	96.98	7	0.57	0.86	-1,986
267	20.0	4,835	4	186	217	77.08	58	8.50	1.17	628

Annual averages, all farms, weighted by acres of beans:

1965	-----Not averaged-----									
1964	299.6	4,193	4	118	172	56.36	76	7.95	1.46	16,249
1963	250.2	4,418	4	115	166	51.58	75	7.18	1.44	12,730
1962	205.9	4,252	4	123	187	57.98	89	7.05	1.52	13,126
1961	-----Not averaged-----									

Factors from VEGETABLE Accounts, 1965
(Arranged by acres of vegetables)

Farm number	Vege-	Yield	Labor	Average		Net	Labor		Return	Profit
	table	per	per	per acre		cost	return		per	on
	grown	acre	acre	Cost	Returns	per	Per	Per	dollar	enter-
	acres	tons	hours	\$	\$	\$	\$	\$	\$	prise
<u>Beets</u>										
386*	221.0	14.7	25	228	235	15.57	51	2.06	1.03	1,474
221*	146.5	23.9	49	307	372	12.80	162	3.28	1.21	9,556
<u>Cabbage</u>										
174**	33.2	15.1	137	830	941	54.92	361	2.63	1.13	3,676
425*	29.0	5.6	97	469	207	84.04	-35	-0.36	0.44	-7,600
221*	21.0	0.3	16	157	6	598.36	-114	-7.16	0.04	-3,166
<u>Cauliflower</u>										
Fall										
174**	19.8	503 ^x	196	879	1,061	1.75 ^x	539	2.75	1.21	3,602
Summer										
174**	7.9	737 ^x	281	1,212	1,674	1.64 ^x	974	3.47	1.38	3,652
440*	3.0	5.3	239	718	387	134.62	23	0.10	0.54	-994
^x 12 head crates										
<u>Sweet Corn</u>										
315*	113.5	1.6	7	99	52	60.41	-32	-4.26	0.52	-5,360
174**	96.0	935 ^{xx}	42	326	353	0.34 ^{xx}	104	2.47	1.08	2,633
267*	95.8	4.2	5	99	134	23.54	55	10.93	1.36	3,395
221*	20.0	1.0	5	56	30	58.58	-13	-2.54	0.53	-520
440**	16.7	359 ^{xx}	83	301	215	0.84 ^{xx}	39	0.47	0.71	-1,435
^{xx} dozen ears										
<u>Tomatoes</u>										
315*	69.8	16.2	165	585	516	36.06	234	1.42	0.88	-4,817
170*	62.7	14.9	143	534	492	35.81	209	1.47	0.92	-2,616
174**	27.0	15.2	292	1,080	1,068	71.16	479	1.64	0.99	-326

*Processing
**Fresh market

Factors from Vegetable Accounts, 1965
(Arranged by acres of vegetables)

Farm number	Vege- table grown acres	Yield per acre bu.	Labor per acre hours	Average per acre		Net cost per bu. \$	Labor return		Return per dollar of cost \$	Profit on enter- prise \$
				Cost \$	Returns \$		Per acre \$	Per hour \$		
Dry Beans										
438	55.0	13	7	85	70	6.66	-2	-0.26	0.82	-851
430	14.6	17	9	94	102	5.48	23	2.61	1.08	114
Cucumbers										
425**	17.9	81	81	251	128	3.09	46	0.57	0.51	-2,208
174**	11.6	353	179	864	1,003	2.45	464	2.60	1.16	1,611
417*	10.0	316	280	520	479	1.65	322	1.15	0.92	-406
425**	10.0	102	71	184	210	1.81	174	2.46	1.14	259
Melons										
174**	17.5	262	127	716	609	2.73	124	0.98	0.85	-1,878
440**	3.0	117	249	786	585	6.72	173	0.69	0.74	-602
Spinach										
221*	80.0	6.3 ^{xxx}	42	235	258	37.16 ^{xxx}	99	2.37	1.10	1,879
174**	24.2	289	105	441	420	1.52	170	1.62	0.95	-507
xxx tons										
Squash										
221*	13.0	20.7 ^{xxx}	43	236	248	11.40 ^{xxx}	114	2.63	1.05	161
174**	10.2	545	221	905	841	1.56	338	1.53	0.93	-652
xxx tons										

*Processing
**Fresh market